

AUG. 13. 2007, 6:09PM MOFO 28TH FL

RECEIVED  
CENTRAL FAX CENTER NO. 238 P. 1

MORRISON | FOERSTER

AUG 13 2007

425 MARKET STREET  
SAN FRANCISCO  
CALIFORNIA 94105-2482  
TELEPHONE: 415.268.7000  
FACSIMILE: 415.268.7522  
WWW.MOFO.COM

MORRISON & FOERSTER LLP  
NEW YORK, SAN FRANCISCO,  
LOS ANGELES, PALO ALTO,  
SAN DIEGO, WASHINGTON, D.C.  
DENVER, NORTHERN VIRGINIA,  
ORANGE COUNTY, SACRAMENTO,  
WALNUT CREEK, CENTURY CITY  
TOKYO, LONDON, BEIJING,  
SHANGHAI, HONG KONG,  
SINGAPORE, BRUSSELS

To:

NAME:	FACSIMILE:	TELEPHONE:
U.S. Patent and Trademark Office ATTN: MS APPEAL BRIEF	(571) 273-8300	

FROM: Peter J. Yim  
Reg. 44,417

DATE: August 13, 2007

Number of pages with cover page:	18	
-------------------------------------	----	--

Preparer of this slip has confirmed that facsimile number given is correct:

PJY1/8566

**CAUTION - CONFIDENTIAL**

This facsimile contains confidential information which may also be privileged. Unless you are the addressee (or authorized to receive for the addressee), you may not copy, use, or distribute it. If you have received it in error, please advise Morrison & Foerster LLP immediately by telephone or facsimile and return it promptly by mail.

**Comments:**

**PLEASE PROCESS THE ATTACHED.**

Re: U.S. Patent Application No. 10/608,300  
For: OPTICAL METROLOGY OF STRUCTURES FORMED  
ON SEMICONDUCTOR WAFERS USING  
MACHINE LEARNING SYSTEMS  
By: Srinivas DODDI et al.  
Our reference: 50998-20055.00

Attached is the following:

1. Transmittal (1 page)
2. Fee Transmittal (in duplicate, 2 pages)
3. Reply Brief (13 pages)
4. Request for Oral Hearing (1 page)

sf-2118698

AUG. 13. 2007 6:09PM MOFO 28TH FL

RECEIVED  
CENTRAL FAX CENTER

NO. 238 P. 2

AUG 13 2007

PTO/SB/21 (08-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

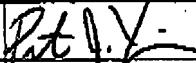
17

Application Number	10/608,300
Filing Date	June 27, 2003
First Named Inventor	Srinivas DODDI
Art Unit	2121
Examiner Name	N. Brown
Attorney Docket Number	509982005500

## ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate, 2 pages)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input checked="" type="checkbox"/> Appeal Communication to TC (Reply Brief) (13 pages)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	1. Request for Oral Hearing (1 page)
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	2. Facsimile Cover Sheet (not counted as part of this submission)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
	<b>Remarks</b>	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	MORRISON & FOERSTER LLP (Customer No. 20872)		
Signature			
Printed name	Peter J. Yim		
Date	August 13, 2007	Reg. No.	44,417

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (571) 273-8300, on the date shown below.

Dated: August 13, 2007

Signature: 

(Peter J. Yim)

sf-2371701

PAGE 2/18 \* RCVD AT 8/13/2007 9:06:58 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-3/7 \* DNIS:2738300 \* CSID:415 2687522 \* DURATION (mm:ss):05:42

AUG. 13. 2007 6:09PM

MOFO 28TH FL

RECEIVED  
CENTRAL FAX CENTER NO. 238 P. 3

AUG 13 2007

PTO/SB/M7 (07-07)

Approved for use through 06/30/2010. OMB 0551-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b>		<b>Complete If Known</b>	
<b>FEE TRANSMITTAL For FY 2007</b>		Application Number	10/608,300
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	June 27, 2003
		First Named Inventor	Srinivas DODDI
		Examiner Name	N. Brown
		Art Unit	2121
TOTAL AMOUNT OF PAYMENT	(\$) 1,000	Attorney Docket No.	509982005500

**METHOD OF PAYMENT (check all that apply)**

<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify): _____
<input checked="" type="checkbox"/> Deposit Account		Deposit Account Number	03-1952	Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fee Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**Fee Description

Each claim over 20 (including Reissues)

Small EntityFee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
29	-22 = 0	x 50	= 0.00

HP = highest number of total claims paid for, if greater than 20.

Multiple Dependent Claims

Fee (\$)	Fee Paid (\$)
360	0.00

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
3	-3 = 0	x 200	= 0.00

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(g).

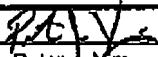
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof.	Fee (\$)	Fee Paid (\$)
100	-100 = 0	/50 = 0 (round up to a whole number)	x 250 = 0	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1403 Request for Oral Hearing

1,000.00

<b>SUBMITTED BY</b>		Registration No. (Attorney/Agent)	44,417	Telephone	(415) 268-6373
Signature		Name (Print/Type)	Peter J. Yim	Date	August 13, 2007

sf-2371730